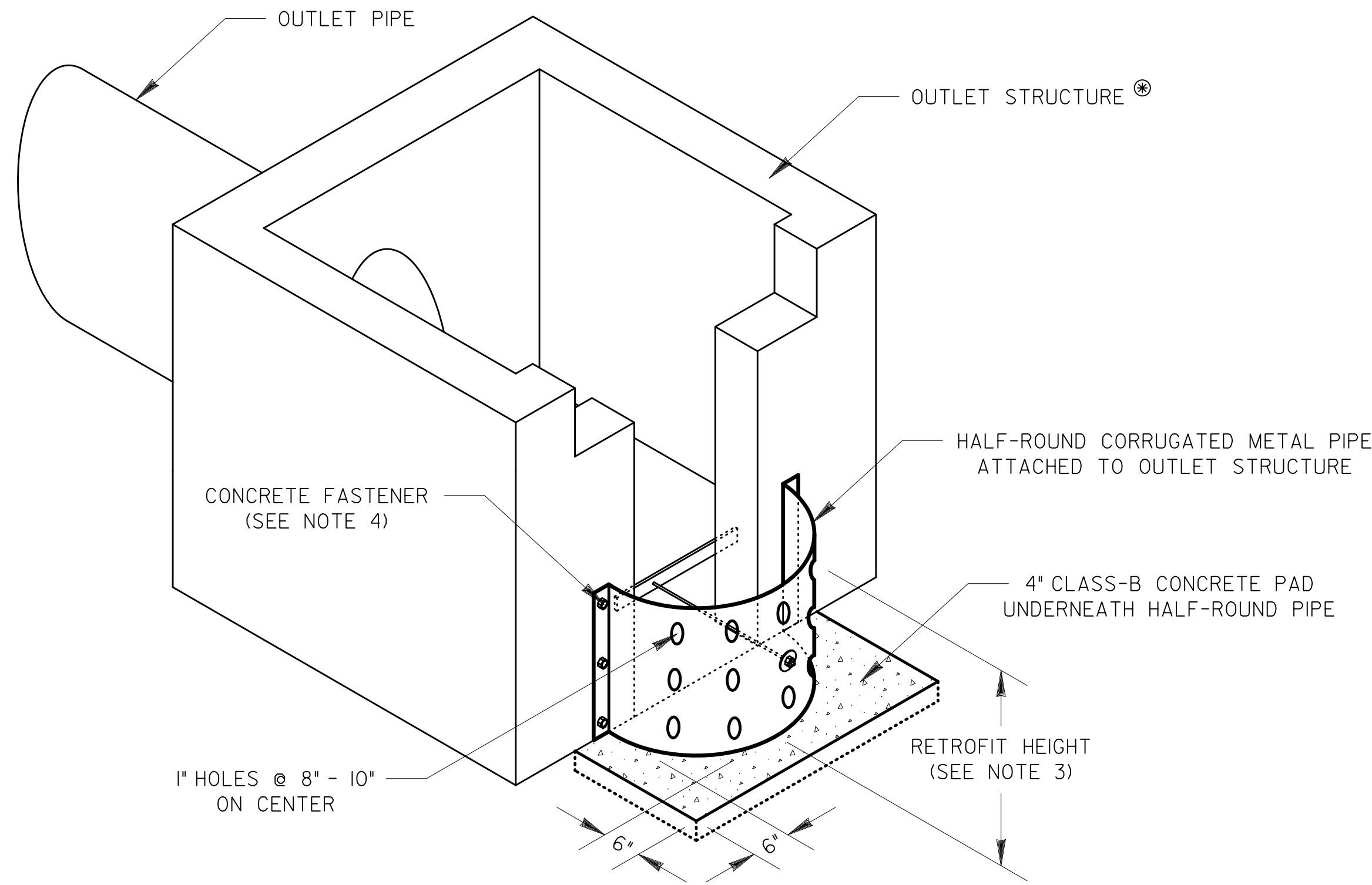
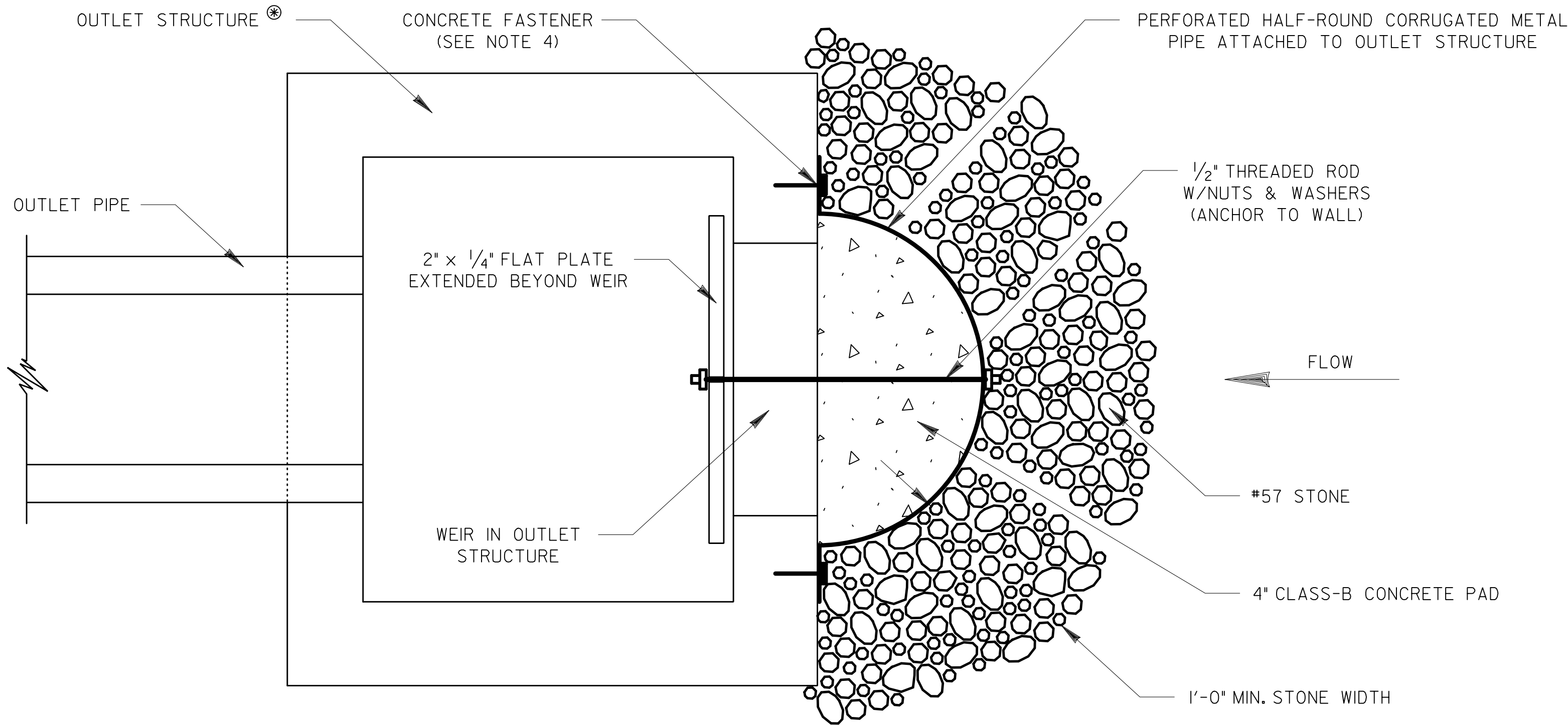
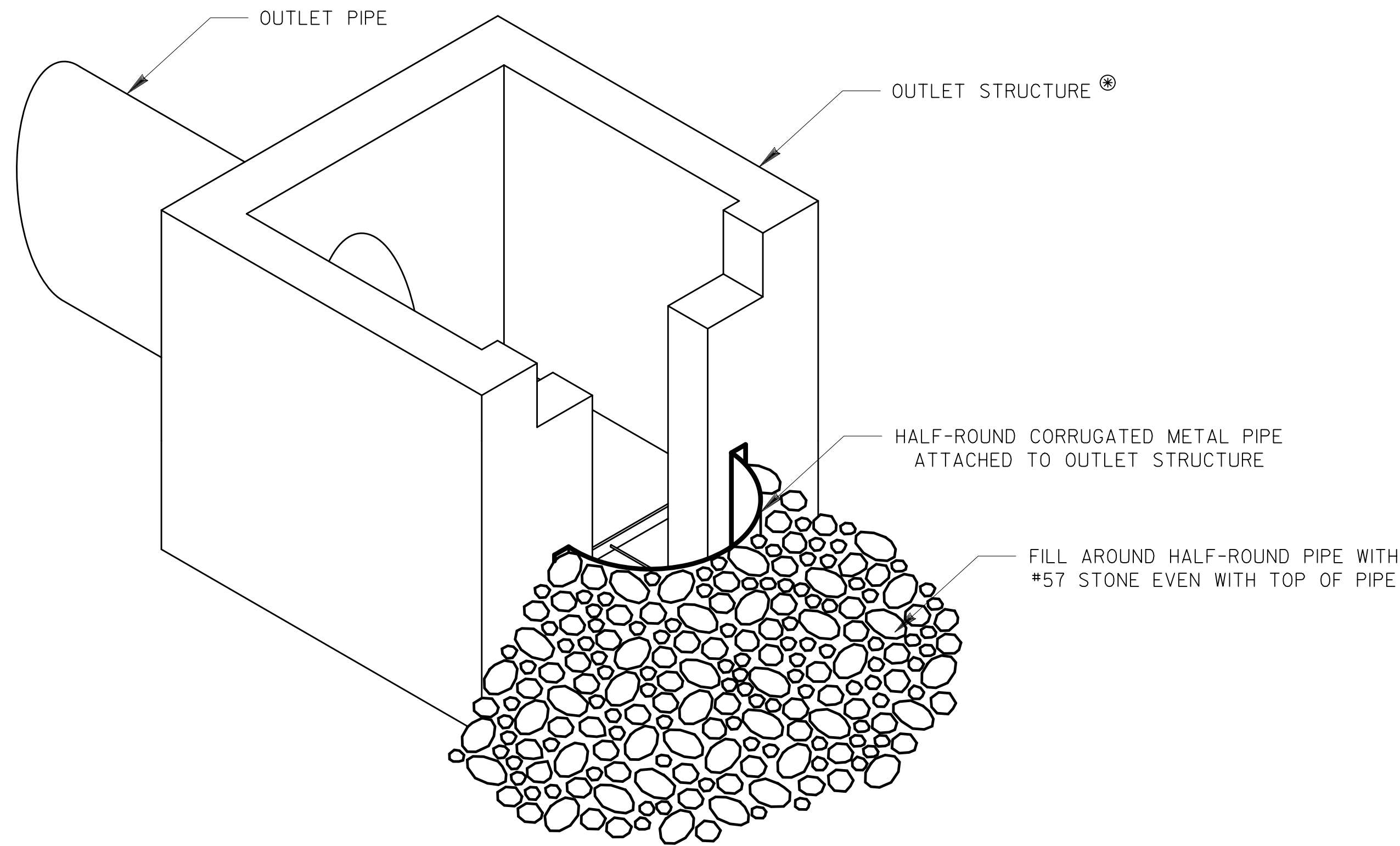


ISOMETRIC VIEWS

PLAN VIEW



④ A BOXED OUTLET STRUCTURE WITH A WEIR IS SHOWN. HOWEVER, THE OUTLET STRUCTURE WILL VARY AS DESIGNED FOR THE DETENTION POND. THE OUTLET STRUCTURE IS INDEPENDENT OF THE RETROFIT. SEE GENERAL NOTE 1 FOR ADDITIONAL REQUIREMENTS.



GENERAL NOTES:

- PERFORATED HALF-ROUND PIPE WITH STONE FILTER MAY BE TEMPORARILY PLACED ON A DETENTION POND'S PERMANENT OUTLET STRUCTURE BUT SHALL NOT BE USED ON EXPOSED PIPE ENDS OR WINGED HEADWALLS. THE TOTAL DRAINAGE AREA TO THE DETENTION POND SHALL BE LESS THAN 30 ACRES.
- THE DETENTION POND MUST BE CAPABLE OF TEMPORARILY STORING THE REQUIRED SEDIMENT STORAGE VOLUME IN ADDITION TO THE REQUIRED STORMWATER VOLUME.

THE DETENTION POND SHALL BE LARGE ENOUGH TO TEMPORARILY STORE 67 CUBIC YARDS OF SEDIMENT PER ACRE OF DISTURBED AREA WITHIN IN THE CONTRIBUTING DRAINAGE AREA. THE REQUIRED SEDIMENT STORAGE VOLUME SHALL BE ACHIEVED BY EITHER EXCAVATING THE DETENTION POND OR RAISING THE OUTLET STRUCTURE'S INVERT. THE SEDIMENT STORAGE VOLUME ELEVATION SHALL BE MARKED ON THE OUTLET STRUCTURE OR BY SETTING A MARKED POST NEAR THE OUTLET STRUCTURE.
- THE HEIGHT OF THE RETROFIT SHOULD BE APPROXIMATELY ONE-HALF THE HEIGHT OF THE OUTLET STRUCTURE. THE DIAMETER OF THE HALF-ROUND PIPE SHOULD BE 1.5 TIMES THE DIAMETER OF THE OF THE OUTLET PIPE OR WIDER THAN THE WEIR WITHIN THE OUTLET STRUCTURE.
- ATTACH HALF-ROUND PIPE SECURELY TO OUTLET STRUCTURE USING 1/2" x 3" CORROSION-RESISTANT CONCRETE FASTENERS. REPAIR FASTENER HOLES WITH GROUT OR OTHER METHODS APPROVED BY THE ENGINEER AFTER THE RETROFIT IS REMOVED.
- SEE STANDARD SPECIFICATION 163, AND SUPPLEMENTS THERETO FOR THE CONSTRUCTION AND REMOVAL OF RETROFITS. SEE STANDARD SPECIFICATION 165, AND SUPPLEMENTS THERETO FOR THE MAINTENANCE OF RETROFITS. SEDIMENT SHALL BE REMOVED WHEN ONE-THIRD OF THE SEDIMENT STORAGE CAPACITY, NOT THE TOTAL DETENTION POND CAPACITY, IS LOST TO SEDIMENT ACCUMULATION.

PAY ITEMS:
163-0540 CONSTRUCT & REMOVE RETROFIT, STA NO- (EA)
165-0095 MAINTENANCE OF RETROFIT, STA NO- (EA)

	7-5-18	DATE	DEPARTMENT OF TRANSPORTATION	
			STATE OF GEORGIA	
	DETAIL CLARIFICATIONS	REVISION	CONSTRUCTION DETAIL	
			RETROFITTING STRUCTURE FOR	
			TEMPORARY SEDIMENT FILTER	
			PERFORATED HALF-ROUND PIPE	
			WITH STONE FILTER	
			NO SCALE	MAY 2008
DLE	BY	DESIGNED _____	NUMBER	
		DRAWN _____		
		TRACED _____		
		CHECKED _____		

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